

SCHOOL OF CIVIL ENGINEERING



# JOINT HIGHWAY RESEARCH PROJECT

JHRP-76-9

TRAFFIC SPEED REPORT  
NO. 95

A. A. Gadallah  
G. K. Stafford



PURDUE UNIVERSITY  
INDIANA STATE HIGHWAY COMMISSION



TRAFFIC SPEED REPORT NO. 95

TO: J. F. McLaughlin, Director  
Joint Highway Research Project

March 16, 1976

File: 8-3-3

FROM: H. L. Michael, Associate Director  
Joint Highway Research Project


Project: C-36-10C

The attached Progress Report No. 95 on Traffic Speeds is the report of the Oct.-Dec. 1975 quarterly study of free-flowing automobile and truck speeds on rural, tangent, level sections of Interstate, 4-lane and 2-lane and on urban interstate highways in Indiana. The report has been prepared by Mr. A. A. Gadallah, a Graduate Instructor in Research on our staff, under the direction of Professor H. L. Michael. The data were collected by Mr. G. K. Stafford and a number of graduate assistants on our staff.

The results indicate a decrease of about 1.0 mph in the average speed of all passenger cars and heavy trucks to that of the 1975 Annual Study. This decrease occurred totally on the rural Interstate system where an expanded enforcement campaign occurred during the period.

Copies of the report will be sent to the Federal Highway Administration and the ISHC for review, comment and acceptance as fulfillment of the objectives of this HPR Part I Study. Copies of the report upon acceptance by FHWA and ISHC are requested for release to the Indiana State Police, the Indiana Traffic Safety Council and the Indiana Office of Traffic Safety as a normal procedure for these reports.

Respectfully submitted,



Harold L. Michael  
Associate Director

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16. Abstract <p>This report is another on the continuing study of speeds of vehicles on Indiana Highways. Observations of spot speeds were taken on interstate, four-lane and two-lane highways throughout the state during the months of October and November 1975.</p> <p>Analysis of the speeds showed the overall average speed for all vehicles was 57.4 mph. The overall average speed for passenger cars and all trucks was 57.8 mph and 56.3 mph, respectively. These overall average speeds are 1.0 mph, 0.9 mph and 1.1 mph less for all vehicles, passenger cars, and all trucks, respectively, as compared to the data collected in July-September 1975 (speed report no. 94).</p>			
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Progress Report

TRAFFIC SPEED REPORT NO. 95

by

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Joint Highway Research Project

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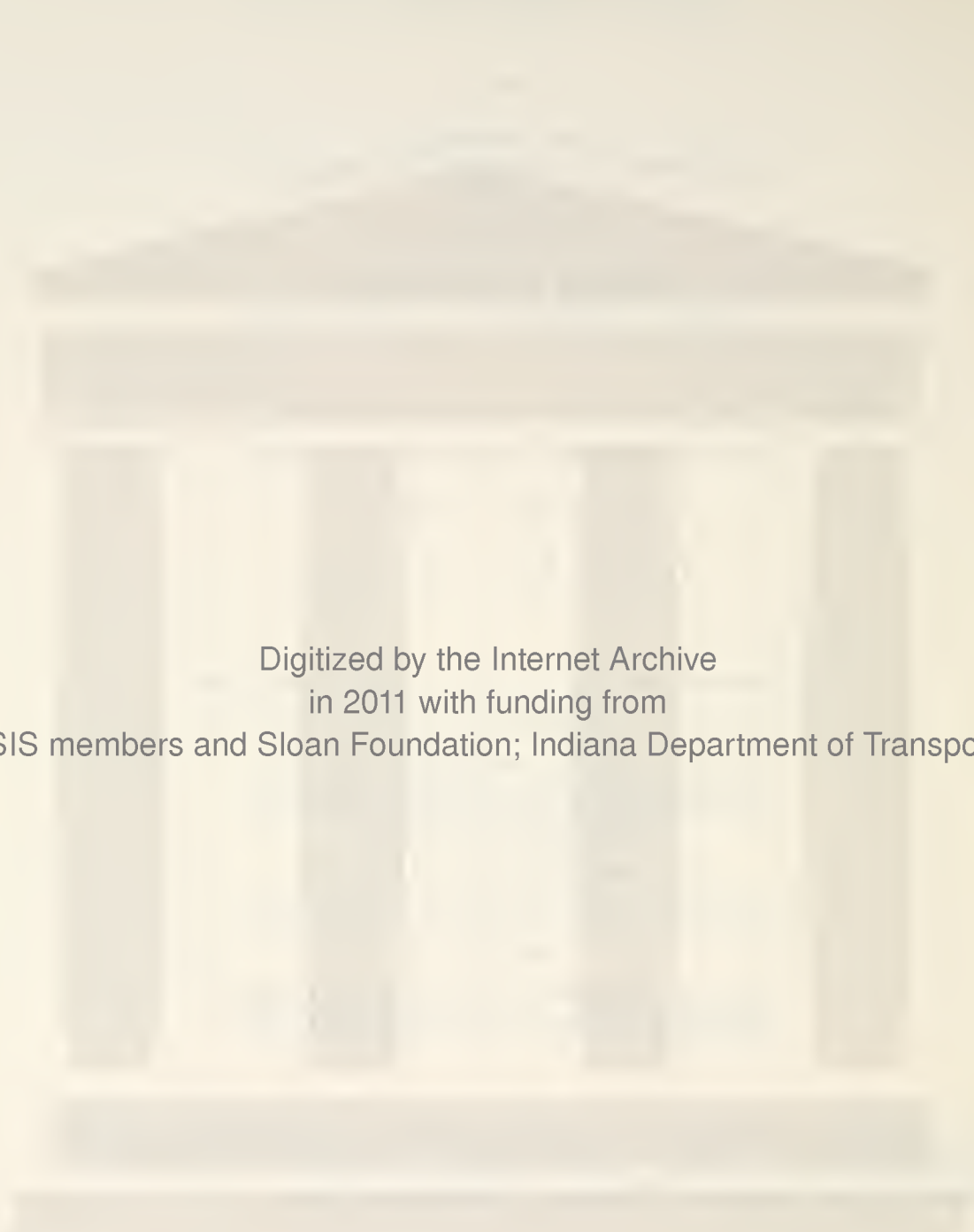
in cooperation with the  
Indiana State Highway Commission  
and the

U.S. Department of Transportation  
Federal Highway Administration

The opinions, findings and conclusions expressed in this publication are those of the authors and not necessarily those of the Federal Highway Administration.

Purdue University  
West Lafayette, Indiana  
March 16, 1976





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## TRAFFIC SPEED REPORT NO. 95

This report is an analysis of spot speed observations made during October and November 1975. All observations were made of free-flowing vehicles on level, tangent sections of rural and urban highways during daylight and under favorable conditions. Seven stations were studied from the same locations on selected Federal and State highways as used in the previous annual studies.

Stations were classified as two-lane, four-lane, rural interstate, or urban interstate highways. A representative sample of spot speeds was obtained at each station in each classification. The site locations were as follows: (See Figure A)

### Rural Interstate Highways

- |          |   |
|----------|---|
| 1. I-69  | 3.3 miles south of Junction of SR 18    |
| 2. I-65  | 1.0 miles west of Junction of SR 334    |
| *3. I-74 | 1.0 miles east of Junction of Post Road |
| *4. I-65 | 7.5 miles north of Junction of SR 160   |

### Four Lane Highways

- |             |   |
|-------------|---|
| 5. U.S. 31  | 1.2 miles south of Junction of SR 38      |
| *6. U.S. 30 | 2.0 miles east of Junction of SR 49       |
| *7. U.S. 41 | 1.0 miles north of South Junction of SR 2 |
| 8. U.S. 52  | 1.0 miles west of Klondike                |

### Two Lane Highways

- |               |                                      |
|---------------|--------------------------------------|
| 9. U.S. 35    | 1.5 miles east of Junction of I-69   |
| *10. S.R. 43  | 2.0 miles south of Chalmers          |
| *11. U.S. 231 | 1.0 mile south of Junction of SR 234 |
| 12. S.R. 25   | 0.7 miles west of Americus           |

### Urban Interstate Highways

- |           |                     |
|-----------|---------------------|
| *13. I-94 | Near Burr           |
| 14. I-65  | East of White River |

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\*Stations used in this study.



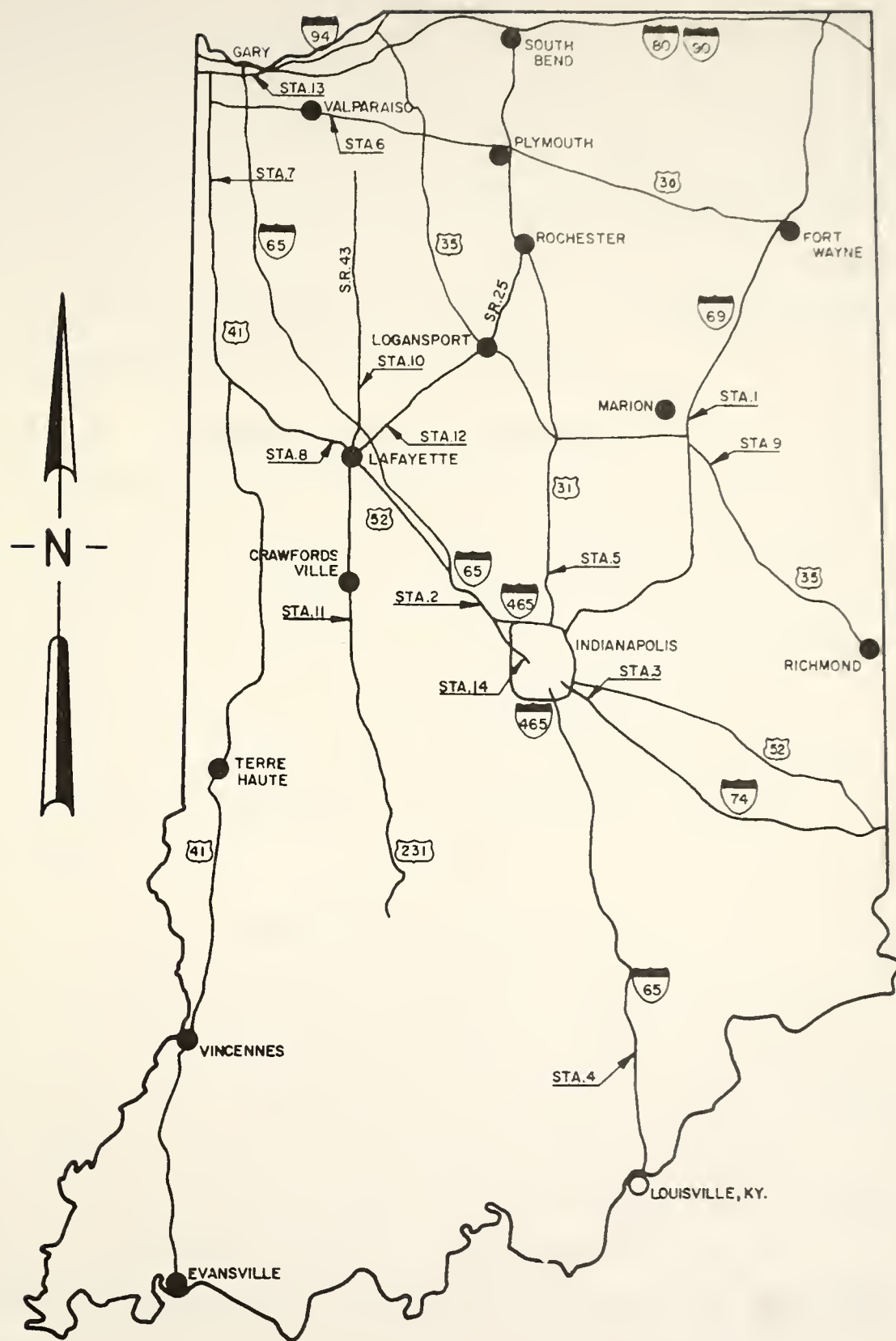


FIGURE A LOCATIONS OF SPEED-STUDY STATIONS



The vehicles were classified as Indiana or Non-Indiana Passenger Cars and Light (less than 5000 lbs. gross weight) or Heavy (equal to or more than 5000 lbs. gross weight) Trucks. The analysis was performed as classified and combined, passenger cars or trucks.

The maximum speed limit in Indiana is 55 miles per hour, both on Interstate and other rural highways.

#### Equipment and Field Procedure

The observations for this study were obtained by use of an "Electromatic" Radar Speed Meter. The meter was placed approximately four feet from the edge of the pavement at angles less than 10° with the highway center line. No corrections of speeds were necessary at these small angles. At the beginning of the study the accuracy of the meter was checked and any constant discrepancy of readings was corrected accordingly.

#### RESULTS OF ANALYSIS

The data collected were analyzed and are summarized in Tables 1 to 7 in the Appendix. Tables 8, 9 and 10 summarize the data for rural interstate, four lane and two lane highways, respectively. Table 11 is the summary for all highways. Tables 12, 13 and 14 are summaries in an FHWA format which is desired. The average speed for each classification of vehicles on each type of highway for this study was as follows:



	<u>Urban</u>	<u>Interstate</u> <u>Rural</u>	<u>Other</u> <u>Four Lane</u> <u>Rural</u>	<u>Two Lane</u> <u>Rural</u>
<u>Passenger Cars:</u>				
Indiana	59.11	56.80	58.20	57.45
Non-Indiana	58.75	57.13	58.65	57.05
All Passenger Cars	58.98	56.92	58.32	57.42
85 Percentile (all)	62.29	60.35	62.26	62.48
<u>Trucks:</u>				
Less than 5000 lbs.	61.00	55.87	55.98	56.36
5000 lbs. or more	58.07	56.49	55.72	55.34
<u>All Vehicles:</u>				
Average	58.81	56.74	57.61	56.98
85 Percentile	62.09	60.17	61.60	62.34

The percent of vehicles exceeding the speed limit (55 mph) for each classification of vehicles and each type of highway was as follows:

	<u>Urban</u>	<u>Interstate</u> <u>Rural</u>	<u>Other</u> <u>Four Lane</u> <u>Rural</u>	<u>Two Lane</u> <u>Rural</u>
<u>Passenger Cars:</u>				
Indiana	80.6	63.3	70.9	63.6
Non-Indiana	78.7	65.4	79.1	65.8
All Passenger Cars	79.9	64.1	73.1	63.8
<u>Trucks:</u>				
Less than 5000 lbs.	100.0	53.3	61.4	57.6
5000 lbs. or more	78.5	63.4	57.1	55.4
<u>All Vehicles:</u>	80.0	62.9	69.0	61.7





The percent of vehicles traveling more than 5 mph above the speed limit (exceeding 60 mph) for each case was as follows:

	<u>Urban</u>	<u>Interstate</u> <u>Rural</u>	<u>Other</u> <u>Four Lane</u> <u>Rural</u>	<u>Two Lane</u> <u>Rural</u>
<u>Passenger Cars:</u>				
Indiana	34.5	16.4	30.5	26.9
Non-Indiana	34.5	19.3	33.3	21.0
All Passenger Cars	34.5	17.5	31.3	26.5
<u>Trucks:</u>				
Less than 5000 lbs.	54.5	13.0	22.8	22.2
5000 lbs. or more	25.3	11.8	11.1	20.6
<u>All Vehicles:</u>	32.7	16.0	26.5	25.1

The percent of vehicles traveling more than 10 miles per hour above the speed limit (exceeding 65 mph) for each case was as follows:

	<u>Urban</u>	<u>Interstate</u> <u>Rural</u>	<u>Other</u> <u>Four Lane</u> <u>Rural</u>	<u>Two Lane</u> <u>Rural</u>
<u>Passenger Cars:</u>				
Indiana	4.8	2.4	5.3	9.1
Non-Indiana	5.7	4.8	7.8	5.3
All Passenger Cars	5.2	3.3	6.0	8.8
<u>Trucks:</u>				
Less than 5000 lbs.	9.1	1.3	1.8	10.1
5000 lbs. or more	1.8	2.5	1.8	7.5
<u>All Vehicles:</u>	4.5	3.0	4.8	8.8



### Summary and Conclusions

The overall average speed for all vehicles and passenger cars in this study was found to be 57.4 mph and 57.8 mph, respectively. The overall average speeds for heavy trucks and for all trucks were found to be the same and equal to 56.3 mph. These overall average speeds are 1.0 mph, 0.9 mph, and 1.1 mph less for all vehicles, passenger cars, and all trucks, respectively, than the results of July-Sept. 1975. Table A presents a comparison of the overall speed results with that of 1975 and 1974 annual studies. The 85th percentile speed of passenger cars decreased 1.6 mph from July-September 1975 on all highways to 61.8 mph.

A comparison of October-November 1975 speed data with that for other recent periods for several types of highway for passenger cars and trucks is shown in Tables B, C and D. The data for the May-June 1975 and Oct.-Nov. 1975 periods are for only a portion of the stations.

The reduction in the average speeds and 85th percentile speeds occurred mainly on interstate highways (as compared to the July-Sept. 1975 study). On the other four-lane highways a slight increase occurred for the average speeds and the 85th percentile speeds, and it was about the same on two-lane highways.

In general, the decrease in the average speeds for the different vehicle classifications and in the 85th percentile rural interstate speeds can probably be attributed to an expanded speed enforcement program on the rural interstates which occurred during the period and which was well publicized.



Although the average speeds and 85th percentile speeds on urban interstate highways were about 2 mph more than those on rural interstate highways, this result is not conclusive as the data for urban interstates was obtained from only a single station.





TABLE A  
COMPARISON OF THE OVERALL SPEED RESULTS

	<u>Oct.-Nov. 1975</u>	<u>July-Sept. 1975</u>	<u>June-Sept. 1974</u>
<u>Average:</u>			
All Passenger Cars	57.8	58.7	57.8
Heavy Trucks	56.3	57.4	55.2
All Trucks	56.3	57.4	55.6
<u>85 Percentile:</u>			
All Passenger Cars	61.8	63.4	62.6
Heavy Trucks	60.5	62.5	59.7
All Trucks	60.7	62.5	60.2
<u>15 Percentile:</u>			
Heavy Trucks	51.2	51.5	49.2



TABLE B  
AVERAGE SPEEDS ON INTERSTATE HIGHWAYS (RURAL)

	<u>Oct.-Nov. 1975</u>	<u>July-Sept. 1975</u>	<u>May-June 1975</u>	<u>June-Sept. 1974</u>
<u>Passenger Cars:</u>				
Indiana	56.8	59.7	57.4	58.3
Non-Indiana	57.1	60.2	57.4	59.3
All Passenger Cars	56.9	59.9	57.4	58.7
85 Percentile (all)	60.4	64.2	60.9	62.6
<u>Trucks:</u>				
Less than 5000 lbs.	55.9	58.2	56.6	56.7
5000 lbs. or more	56.5	59.3	56.7	56.4

TABLE C  
AVERAGE SPEEDS ON OTHER FOUR-LANE HIGHWAYS

	<u>Oct.-Nov. 1975</u>	<u>July-Sept. 1975</u>	<u>May-June 1975</u>	<u>June-Sept. 1974</u>
<u>Passenger Cars:</u>				
Indiana	58.2	57.6	58.6	58.0
Non-Indiana	58.7	58.1	58.4	57.9
All Passenger Cars	58.3	57.7	58.6	58.0
85 Percentile (all)	62.3	62.0	63.3	63.1
<u>Trucks:</u>				
Less than 5000 lbs.	56.0	56.4	56.9	56.8
5000 lbs. or more	55.7	55.9	55.4	54.4

TABLE D  
AVERAGE SPEEDS ON TWO-LANE HIGHWAYS

	<u>Oct.-Nov. 1975</u>	<u>July-Sept. 1975</u>	<u>May-June 1975</u>	<u>June-Sept. 1974</u>
<u>Passenger Cars:</u>				
Indiana	57.5	57.2	57.1	56.8
Non-Indiana	57.1	57.4	57.7	55.9
All Passenger Cars	57.4	57.8	57.1	56.7
85 Percentile (all)	62.5	62.5	62.3	61.8
<u>Trucks:</u>				
Less than 5000 lbs.	56.4	57.5	55.6	55.3
5000 lbs or more	55.4	56.2	53.6	54.5



## APPENDIX

Speed Data (Tables 1 to 14)



TABLE 1 SPEED DATA

Station 3 Highway I-74 Location I-74 - 1 mile east of junction of Post Road  
 No. of Lanes 4 Type of Surface Concrete Weather Hazy  
 This Observation Last Previous Observation (Speed Report No.     )  
 Date 10-23-75 Date 8-22-75  
 Time 10:50 - 12:00 Time 2:30 - 4:25 P.M.

OBSERVATION	PASSENGER CARS						TRUCKS					
	All			Indiana			Non-Indiana			All		
	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent
No. of vehicles obs.	288	280	207	234	81	46	110	123	52	47	58	76
Ave. speed (m.p.h.)	60.25	56.86	60.05	56.79	60.77	57.22	59.52	56.89	58.96	55.64	60.40	57.66
Standard deviation	4.803	3.996	4.935	4.069	4.434	3.620	4.470	3.972	4.168	4.204	4.656	3.639
24 m.p.h.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29 m.p.h.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34 m.p.h.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39 m.p.h.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44 m.p.h.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49 m.p.h.	.35	2.50	.48	2.99	0.0	0.0	.91	3.25	1.92	6.38	0.0	1.32
54 m.p.h.	7.99	26.43	10.14	26.92	2.47	23.91	10.00	22.76	11.54	29.79	8.62	18.42
59 m.p.h.	48.26	78.57	49.76	79.06	44.44	76.09	49.09	79.67	53.85	85.11	44.83	76.32
64 m.p.h.	86.81	96.07	87.44	96.58	85.19	93.48	84.55	95.12	88.46	95.74	81.03	94.74
69 m.p.h.	96.18	99.29	96.62	99.15	95.06	100.0	98.18	100.0	100.0	100.0	96.55	100.0
74 m.p.h.	97.92	99.64	98.07	99.57	97.53	100.0	100.0	100.0	100.0	100.0	100.0	100.0
79 m.p.h.	99.65	100.0	99.52	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
84 m.p.h.	99.65	100.0	99.52	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
89 m.p.h.	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
No. of vehicles obs.	142	140	95	118	47	22	53	69	24	29	29	40
Average speed	59.70	56.21	59.18	56.21	60.77	56.23	60.11	56.14	59.00	55.66	61.03	56.50
No. of vehicles obs.	146	140	112	116	34	24	57	54	28	18	29	36
Average speed	60.78	57.51	60.79	57.39	60.76	58.13	59.35	57.83	58.93	55.61	59.76	58.94

All Vehicles

Bnd

Bnd





TABLE 2 SPEED DATA

Station 4 Highway I65 Location 7.5 Mile North of Junction of S.R. 160

No. of Lanes 4 Type of Surface Concrete Weather Hazy

This Observation Date 11-5-75 Last Previous Observation (Speed Report No.     )  
 Time 12:32 - 1:50 PM Date 8-25-75  
 Time 1:50 - 3:50 PM

		PASSENGER CARS						TRUCKS					
		All		Indiana		Non-Indiana		All		<5000 lbs.		>5000 lbs.	
OBSERVATION		Last	Pres-ent	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent
No. of vehicles obs.		283	321	126	139	157	182	115	115	51	30	64	85
Ave. speed (m.p.h.)		60.10	56.98	59.65	56.80	60.46	57.11	58.27	55.65	57.90	56.23	58.56	55.45
Standard deviation		5.055	4.041	4.990	3.717	5.093	4.278	4.541	3.746	4.993	3.901	4.163	3.692
24 m.p.h.		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29 m.p.h.		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34 m.p.h.		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39 m.p.h.		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44 m.p.h.		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49 m.p.h.		1.41	1.25	1.59	1.44	1.27	1.10	2.61	2.61	3.92	0.0	1.56	3.53
54 m.p.h.		13.07	28.35	15.08	29.50	11.46	27.47	19.13	34.78	19.61	33.33	18.75	35.29
59 m.p.h.		44.17	75.39	50.00	78.42	39.49	73.08	64.35	88.70	70.59	83.33	59.38	90.59
64 m.p.h.		78.80	95.64	81.75	97.12	76.43	94.51	90.43	96.52	90.20	93.33	90.63	97.65
69 m.p.h.		96.82	99.38	96.83	100.0	96.82	98.90	99.13	100.0	98.04	100.0	100.0	100.0
74 m.p.h.		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
79 m.p.h.		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
84 m.p.h.		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
89 m.p.h.		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
# of vehicles traveling at or less than		143	164	72	85	71	79	56	58	29	17	27	41
No. of vehicles obs.		60.78	57.89	59.79	57.27	61.79	58.56	59.66	56.62	59.52	56.71	59.81	56.59
Average speed		142	157	54	54	86	103	59	57	22	13	37	44
No. of vehicles obs.		59.40	56.02	59.46	56.06	59.36	56.00	56.95	54.67	55.77	55.62	57.65	54.39
Average speed													



TABLE 3 SPEED DATA

Station 6 Highway U.S. 30 Location 2 Miles East of Junction of S.R. 49

No. of Lanes 4 Type of Surface Asphalt Concrete Weather Clear

This Observation  
 Date 10-29-75 Last Previous Observation (Speed Report No.     )  
 Time 10:30-12:10 PM Date 9-17-75  
 Time 10:46 - 1:46 PM

OBSERVATION	PASSENGER CARS						TRUCKS					
	All		Indiana		Non-Indiana		All		<5000 lbs.		>5000 lbs.	
	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent
No. of vehicles obs.	287	281	197	205	90	76	134	112	32	12	102	100
Ave. speed (m.p.h.)	58.65	58.28	58.36	58.13	59.08	58.71	58.01	55.96	57.70	56.58	58.18	55.89
Standard deviation	4.624	4.531	4.979	4.544	3.721	4.495	4.814	3.865	6.520	4.274	4.166	3.829
24 m.p.h.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29 m.p.h.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34 m.p.h.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39 m.p.h.	0.0	0.0	0.0	0.0	0.0	0.0	.75	.89	3.13	0.0	0.0	1.00
44 m.p.h.	.35	0.0	.51	0.0	0.0	0.0	1.49	1.79	6.25	0.0	0.0	2.00
49 m.p.h.	3.83	3.56	5.08	3.90	1.11	2.63	5.97	4.46	9.38	8.33	4.90	4.00
54 m.p.h.	16.03	19.22	18.78	21.46	10.00	13.16	20.15	33.04	28.13	25.00	17.65	34.00
59 m.p.h.	58.54	62.28	60.41	62.44	54.44	61.84	58.21	84.82	56.25	65.67	58.82	87.00
64 m.p.h.	89.90	92.53	88.83	92.68	92.22	92.11	92.54	99.11	87.50	100.0	94.12	99.00
69 m.p.h.	99.30	98.93	99.49	99.02	98.89	98.68	100.0	100.0	100.0	100.0	100.0	100.0
74 m.p.h.	99.65	100.0	99.49	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
79 m.p.h.	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
84 m.p.h.	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
89 m.p.h.	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
No. of vehicles obs.	142	140	83	95	59	45	75	57	18	6	57	51
Average speed	58.73	58.45	58.51	58.25	59.05	58.87	57.92	56.39	57.39	58.33	58.09	56.16
No. of vehicles obs.	145	141	114	110	31	31	59	55	14	6	45	49
Average speed	58.57	58.12	58.42	58.02	59.13	58.48	58.14	55.53	57.64	54.83	58.29	55.61





TABLE 4 SPEED DATA

Station 7 Highway U.S. 41 Location 1 Mile North of South Junction of S.R. 2  
 No. of Lanes 1 Type of Surface Asphalt Concrete Weather Clear Dry  
 This Observation Date 10-27-75 Last Previous Observation (Speed Report No.     )  
 Time 10:50 AM - 12:20 PM Date 9-4-75  
 Time 10:28 - 2:50 PM

		PASSENGER CARS						TRUCKS					
		All		Indiana		Non-Indiana		All		<5000 lbs.		>5000 lbs.	
OBSERVATION		Last	Pres-ent	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent
No. of vehicles obs.		291	288	219	211	72	77	113	108	38	45	75	63
Ave. speed (m.p.h.)		56.80	58.35	56.90	58.27	56.49	58.60	53.81	55.61	53.97	55.82	53.73	55.46
Standard deviation		6.364	5.636	6.508	5.692	5.939	5.509	6.944	5.929	7.600	5.890	6.640	6.000
24 m.p.h.		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29 m.p.h.		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34 m.p.h.		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39 m.p.h.		.34	0.0	0.0	0.0	0.0	0.0	.88	0.0	0.0	0.0	1.33	0.0
44 m.p.h.		3.09	.35	2.74	.47	4.17	0.0	5.31	0.0	7.89	0.0	4.00	0.0
49 m.p.h.		8.25	6.21	9.13	4.27	5.56	7.79	8.85	5.56	10.53	4.44	8.00	6.35
54 m.p.h.		34.71	21.88	32.42	22.75	41.67	19.48	52.21	34.26	52.63	33.33	52.00	34.92
59 m.p.h.		72.16	61.11	72.15	62.56	72.22	57.14	82.30	76.85	78.95	73.33	84.00	79.37
64 m.p.h.		91.07	89.58	92.24	90.05	87.50	88.31	94.69	97.22	92.11	97.78	96.00	96.83
69 m.p.h.		97.59	95.83	96.80	95.73	100.0	96.10	98.23	99.07	97.37	100.0	98.67	98.41
74 m.p.h.		99.31	98.96	99.09	98.58	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
79 m.p.h.		99.31	99.65	99.09	99.53	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
84 m.p.h.		99.66	100.0	99.54	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
89 m.p.h.		99.66	100.0	99.54	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
No. of vehicles obs.		149	146	118	109	31	37	57	58	17	23	40	35
Average speed		55.67	59.32	55.81	59.47	55.16	58.89	50.75	56.71	49.06	55.91	51.47	57.23
No. of vehicles obs.		142	142	101	102	41	40	56	50	21	22	35	28
Average speed		57.98	57.36	58.18	56.98	57.49	58.32	56.93	54.34	57.95	55.73	56.31	53.25





TABLE 5 SPEED DATA

Station 10 Highway S.R. 43 Location 2 Miles South of Chalmers Weather Sunny & Warm  
 No. of Lanes 2 Type of Surface Asphalt Concrete  
 This Observation Last Previous Observation (Speed Report No.     )  
 Date 11-4-75 Date 7-10-75  
 Time 9:05-12:05 p.m. Time 10:15-12:45 p.m.

OBSERVATION	PASSENGER CARS						TRUCKS					
	All		Indiana		Non-Indiana		All		<5000 lbs.		>5000 lbs.	
	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent
No. of vehicles obs.	286	297	251	284	35	13	286	112	59	52	54	60
Ave. speed (m.p.h.)	59.42	58.74	59.59	58.73	58.14	59.00	59.42	57.77	59.83	58.52	59.43	57.12
Standard deviation	5.700	5.933	5.871	6.001	4.124	4.340	5.700	6.024	7.288	6.153	6.347	5.883
24 m.p.h.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29 m.p.h.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34 m.p.h.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39 m.p.h.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44 m.p.h.	.35	.67	.40	.70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49 m.p.h.	3.85	4.71	4.38	4.93	0.0	0.0	.35	2.68	1.69	1.92	0.0	3.33
54 m.p.h.	19.23	20.88	18.73	21.13	22.86	15.38	19.23	27.68	16.95	23.08	24.07	31.67
59 m.p.h.	51.57	60.94	49.40	60.92	68.51	61.54	51.57	67.86	49.15	67.31	53.70	68.33
64 m.p.h.	86.36	85.86	85.26	85.56	94.29	92.31	86.36	86.61	86.36	84.62	74.07	88.33
69 m.p.h.	96.50	95.96	96.41	95.77	97.14	100.0	96.50	98.21	93.22	96.15	94.44	100.0
74 m.p.h.	98.60	99.33	98.41	99.30	100.0	100.0	98.60	99.11	96.61	98.08	100.0	100.0
79 m.p.h.	99.65	99.33	99.60	99.30	100.0	100.0	99.65	100.0	98.31	100.0	100.0	100.0
84 m.p.h.	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
89 m.p.h.	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
No. of vehicles obs.	141	142	124	137	17	5	141	57	33	27	29	30
Average speed	60.33	58.65	60.60	58.61	58.35	59.80	60.33	57.44	58.73	58.93	60.14	56.10
No. of vehicles obs.	145	155	127	147	18	8	145	55	26	25	25	30
Average speed	58.52	58.82	58.61	58.84	57.94	58.50	58.52	58.11	61.23	58.08	58.60	58.13



TABLE 6 SPEED DATA

Station 11 Highway U.S. 231 Location 1.0 Mile South of Junction S.R. 234

No. of Lanes 2 Type of Surface Asphalt Concrete Weather Clear

This Observation  
 Date 10-30-75 Last Previous Observation (Speed Report No.     )  
 Time 9:55-1:40 p.m. Date 8-26-75  
 Time 10:40-1:30 p.m.

OBSERVATION	PASSENGER CARS						TRUCKS					
	All		Indiana		Non-Indiana		All		<5000 lbs.		>5000 lbs.	
	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent
No. of vehicles obs.	279	280	245	255	34	25	116	108	48	47	68	61
Ave. speed (m.p.h.)	57.35	56.03	57.34	56.03	57.94	56.04	56.12	53.76	56.67	53.98	55.74	53.59
Standard deviation	5.402	5.384	5.392	5.471	5.555	4.495	6.119	6.844	6.541	6.459	5.822	7.175
24 m.p.h.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29 m.p.h.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34 m.p.h.	0.0	.36	0.0	.39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39 m.p.h.	.36	.36	.41	.39	0.0	0.0	.86	2.78	2.08	2.13	0.0	3.28
44 m.p.h.	1.08	2.14	1.22	2.35	0.0	0.0	3.45	5.56	2.08	4.26	4.41	6.56
49 m.p.h.	7.17	10.00	7.35	10.20	5.88	8.00	13.79	28.70	14.58	27.66	13.24	29.51
54 m.p.h.	29.39	36.79	28.98	36.86	32.35	36.00	34.48	52.78	29.17	51.06	38.24	54.10
59 m.p.h.	69.53	76.43	68.57	75.69	76.47	84.00	71.55	81.48	72.92	80.85	70.59	81.97
64 m.p.h.	89.96	93.21	89.80	92.94	91.18	96.00	94.83	92.59	93.75	93.62	95.59	91.80
69 m.p.h.	98.57	100.0	99.18	100.0	94.12	100.0	98.28	98.15	95.83	100.0	100.0	96.72
74 m.p.h.	100.0	100.0	100.0	100.0	100.0	100.0	99.14	100.0	97.92	100.0	100.0	100.0
79 m.p.h.	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
84 m.p.h.	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
89 m.p.h.	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
No. of vehicles obs.	139	153	124	141	15	12	60	54	24	22	36	32
Average speed	58.51	57.00	58.69	57.05	57.07	56.42	57.02	54.98	58.37	53.68	56.11	55.87
No. of vehicles obs.	140	127	121	114	19	13	56	54	24	25	32	29
Average speed	56.20	54.86	55.96	54.76	57.74	55.69	55.16	52.54	54.96	54.24	55.31	51.07





TABLE 7 SPEED DATA

Station 13 Highway I-94 Location East of Burr Weather Partly Sunny  
 No. of Lanes 6 Type of Surface Asphalt Concrete  
 This Observation Last Previous Observation (Speed Report No. )  
 Date 11-6-75 Date 9-16-75  
 Time 10:55-11:30 a.m. Time 10:20-12:30 p.m.

OBSERVATION	PASSENGER CARS						TRUCKS					
	All		Indiana		Non-Indiana		All		<5000 lbs.		>5000 lbs.	
	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent
No. of vehicles obs.	312	328	172	206	140	122	109	118	23	11	86	107
Ave. speed (m.p.h.)	60.94	58.98	60.87	59.11	61.02	58.75	59.97	58.35	60.57	61.00	59.81	58.07
Standard deviation	4.607	3.918	5.210	3.712	3.752	4.251	3.332	4.530	3.116	3.162	3.387	4.572
24 m.p.h.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29 m.p.h.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34 m.p.h.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39 m.p.h.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44 m.p.h.	.32	0.0	.58	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49 m.p.h.	1.28	.30	2.33	0.0	0.0	.82	0.0	2.54	0.0	0.0	0.0	2.80
54 m.p.h.	6.41	13.11	8.72	11.17	3.57	16.39	6.42	17.80	0.0	0.0	8.14	19.63
59 m.p.h.	34.62	53.66	37.21	53.40	31.43	54.10	38.53	56.78	34.78	18.18	39.53	60.75
64 m.p.h.	80.45	92.68	80.23	92.72	80.71	92.62	93.58	94.92	95.65	81.82	93.02	96.26
69 m.p.h.	97.12	99.70	95.93	100.0	98.57	99.18	100.0	99.15	100.0	100.0	100.0	99.07
74 m.p.h.	99.04	100.0	98.26	100.0	100.0	100.0	100.0	99.15	100.0	100.0	100.0	99.07
79 m.p.h.	99.68	100.0	99.42	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
84 m.p.h.	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
89 m.p.h.	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
No. of vehicles obs.	146	162	75	92	71	70	55	55	14	4	41	51
Average speed	60.70	58.60	60.48	58.64	60.93	58.56	58.95	57.18	59.29	60.25	58.83	56.94
No. of vehicles obs.	166	166	97	114	69	52	54	63	9	7	45	56
Average speed	61.15	59.34	61.18	59.49	61.12	59.02	61.02	59.37	62.56	61.43	60.71	59.11



TABLE 8 SPEED DATA

Station 3,4 Highway Interstate, Rural Location                      Weather                     

No. of Lanes                      Type of Surface                     

This Observation                      Last Previous Observation (Speed Report No.     )

Date                      Date                     

Time                      Time                     

OBSERVATION	PASSENGER CARS						TRUCKS					
	All		Indiana		Non-Indiana		All		<5000 lbs.		>5000 lbs.	
	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent
No. of vehicles obs.	1155	601	672	373	483	228	468	238	162	77	306	161
Ave. speed (m.p.h.)	59.94	56.92	59.73	56.80	60.23	57.13	58.89	56.29	58.17	55.87	59.27	56.49
Standard deviation	4.821	4.017	4.827	3.936	4.802	4.146	4.606	3.906	4.591	4.073	4.575	3.820
24 m.p.h.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29 m.p.h.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34 m.p.h.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39 m.p.h.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44 m.p.h.	.09	.17	0.0	.27	.21	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49 m.p.h.	1.30	1.83	1.49	2.41	1.04	.88	1.92	2.94	3.09	3.90	1.31	2.48
54 m.p.h.	11.34	27.45	12.20	27.88	10.14	26.75	15.60	28.57	18.52	31.17	14.05	27.33
59 m.p.h.	47.19	76.87	49.55	78.82	43.89	73.68	56.84	84.03	64.20	84.42	52.94	83.85
64 m.p.h.	84.59	95.84	86.16	96.78	82.40	94.30	88.68	95.80	91.36	94.81	87.25	96.27
69 m.p.h.	96.97	99.33	96.88	99.46	97.10	99.12	98.29	100.0	98.77	100.0	98.04	100.0
74 m.p.h.	99.39	99.83	99.26	99.73	99.59	100.0	100.0	100.0	100.0	100.0	100.0	100.0
79 m.p.h.	99.91	100.0	99.85	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
84 m.p.h.	99.91	100.0	99.85	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
89 m.p.h.	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

All Vehicles

# of vehicles  
traveling at or less  
than





TABLE 9 SPEED DATA

Station <u>6.7</u>	Highway <u>4-lane, rural</u>	Location _____	Weather _____
No. of Lanes _____	Type of Surface _____	Last Previous Observation (Speed Report No. <u>    </u> )	
This Observation	Date _____	Date _____	Time _____
Date _____	Time _____	Time _____	Time _____

OBSERVATION	PASSENGER CARS						TRUCKS					
	All		Indiana		Non-Indiana		All		<5000 lbs.		>5000 lbs.	
	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent
No. of vehicles obs.	1143	569	887	416	256	153	490	220	186	57	304	163
Ave. speed (m.p.h.)	57.66	58.32	57.55	58.20	58.07	58.65	56.06	55.79	56.37	55.98	55.87	55.72
Standard deviation	5.494	5.116	5.609	5.153	5.067	5.015	6.523	4.978	6.687	5.563	6.425	4.773
24 m.p.h.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29 m.p.h.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34 m.p.h.	0.0	0.0	0.0	0.0	0.0	0.0	.61	0.0	0.0	0.0	0.0	0.0
39 m.p.h.	.26	0.0	.23	0.0	.39	0.0	2.45	.45	2.15	0.0	2.63	.61
44 m.p.h.	1.40	.18	1.47	.24	1.17	0.0	4.90	3.64	4.30	3.51	5.26	3.68
49 m.p.h.	6.47	4.39	7.10	4.09	4.30	5.23	13.88	9.55	13.98	14.04	13.82	7.98
54 m.p.h.	25.28	20.56	25.82	22.12	23.44	16.34	36.53	33.64	38.17	31.58	35.53	34.36
59 m.p.h.	65.27	61.69	66.29	62.50	61.72	59.48	69.80	80.91	68.82	71.93	70.39	84.05
64 m.p.h.	91.16	91.04	91.54	91.35	89.84	90.20	93.06	98.18	90.32	98.25	94.74	98.16
69 m.p.h.	98.51	97.36	98.42	97.36	98.83	97.39	98.16	99.55	97.31	100.0	98.68	99.39
74 m.p.h.	99.65	99.47	99.55	99.28	100.0	100.0	99.80	100.0	99.46	100.0	100.0	100.0
79 m.p.h.	99.83	99.82	99.77	99.76	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
84 m.p.h.	99.91	100.0	99.89	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
89 m.p.h.	99.91	100.0	99.89	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
All Vehicles												

% of vehicles  
traveling at or less  
than



TABLE 10 SPEED DATA

Station 10, 11 Highway 2-lane, Rural Location  
 No. of Lanes Type of Surface Weather  
 This Observation Last Previous Observation (Speed Report No. )  
 Date Date  
 Time Time

		PASSENGER CARS						TRUCKS					
		All		Indiana		Non-Indiana		All		<5000 lbs.		>5000 lbs.	
OBSERVATION		Last	Pres- ent	Last	Pres- ent	Last	Pres- ent	Last	Pres- ent	Last	Pres- ent	Last	Pres- ent
No. of vehicles obs.		1140	577	1019	539	121	38	476	220	240	99	236	121
Ave. speed (m.p.h.)		57.76	57.42	57.80	57.45	57.42	57.05	56.88	55.80	57.52	56.36	56.22	55.34
Standard deviation		5.460	5.828	5.512	5.908	5.006	4.609	6.125	6.731	6.257	6.669	5.931	6.774
24 m.p.h.		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29 m.p.h.		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34 m.p.h.		0.0	.17	0.0	.19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39 m.p.h.		.18	.17	.20	.19	0.0	0.0	.21	1.36	.42	1.01	0.0	1.65
44 m.p.h.		1.14	1.39	1.18	1.48	.83	0.0	1.89	4.09	1.67	3.03	2.12	4.96
49 m.p.h.		4.74	7.28	5.00	7.42	2.48	5.26	10.92	17.27	10.42	15.15	11.44	19.01
54 m.p.h.		27.37	28.60	26.89	28.57	31.40	28.95	32.56	40.00	25.83	36.36	39.41	42.98
59 m.p.h.		66.93	68.46	66.14	67.90	73.55	76.32	69.54	74.55	68.75	73.74	70.34	75.21
64 m.p.h.		90.18	89.43	60.09	89.05	90.91	94.74	90.76	89.55	90.83	88.89	90.68	90.08
69 m.p.h.		97.89	97.92	98.04	97.77	96.69	100.0	97.48	98.18	96.25	97.98	98.73	98.35
74 m.p.h.		99.56	99.65	99.51	99.63	100.0	100.0	99.16	99.55	98.33	98.99	100.0	100.0
79 m.p.h.		99.91	99.65	99.90	99.63	100.0	100.0	99.79	100.0	99.58	100.0	100.0	100.0
84 m.p.h.		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
89 m.p.h.		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
# of vehicles traveling at or less than		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
All Vehicles		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0





Station	1-14	Highway	Indiana System
No. of Lanes		Type of Surface	
This Observation	Date	Time	
Location	Weather		
Last Previous Observation (Speed Report No. )		Date	Time

OBSERVATION	PASSENGER CARS						TRUCKS					
	All		Indiana		Non-Indiana		All		<5000 lbs.		>5000 lbs.	
	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent	Last	Pres-ent
No. of vehicles obs.	4140	2075	3119	1534	1021	541	1654	796	665	244	989	552
Ave. speed (m.p.h.)	58.72	57.77	58.48	57.72	59.46	57.92	57.44	56.32	57.47	56.33	57.42	56.32
Standard deviation	5.315	4.924	5.417	5.059	4.922	4.520	5.809	5.257	5.927	5.635	5.735	5.087
24 m.p.h.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29 m.p.h.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34 m.p.h.	0.0	.05	0.0	.07	0.0	0.0	.18	0.0	0.0	0.0	.30	0.0
39 m.p.h.	.12	.05	.13	.07	.10	0.0	.79	.50	.75	.41	.81	.54
44 m.p.h.	.77	.48	.87	.65	.49	0.0	2.06	2.14	1.95	2.05	2.12	2.17
49 m.p.h.	3.72	3.81	4.33	4.30	1.86	2.40	8.22	8.67	8.72	10.66	7.89	7.79
54 m.p.h.	19.57	23.61	21.03	24.32	15.08	21.63	26.90	31.53	26.47	31.97	27.20	31.34
59 m.p.h.	57.46	66.70	59.86	67.14	50.15	65.43	63.78	76.51	66.17	74.18	62.18	77.54
64 m.p.h.	87.90	92.24	88.84	92.05	85.01	92.79	91.05	94.60	90.98	92.62	91.10	95.47
69 m.p.h.	97.75	98.46	97.76	98.37	97.75	98.71	98.13	99.25	97.44	99.18	98.58	99.28
74 m.p.h.	99.47	99.71	99.36	99.61	99.80	100.0	99.58	99.75	99.10	99.59	99.90	99.82
79 m.p.h.	99.83	99.86	99.78	99.80	100.0	100.0	99.94	100.0	99.85	100.0	100.0	100.0
84 m.p.h.	99.95	100.0	99.94	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
89 m.p.h.	99.98	100.0	99.97	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% of vehicles traveling at or less than												
All Vehicles												



Monitoring of Speed  
(Statistical Summary)

State: Indiana Calendar Quarter Ending: December 1975

	Miles**	Number of Monitor Locations	Frequency of Monitoring During Quarter	Duration of Monitoring	Average Speed (MPH)	Median Speed (MPH)	85th Percentile Speed (MPH)	Percent of Motorists Exceeding		
								55 MPH	60 MPH	65 MPH
Interstate Rural	699*	2	once each location	2 hours each location	56.74	56.13	60.17	62.9	16.0	3.0
Interstate Urban	172*	1	once	2 hours	58.81	58.64	62.09	80.0	32.7	4.5
Other multi-lane divided rural	688	2	once each location	2 hours each location	57.61	57.25	61.60	69.0	26.5	4.8
Other multi-lane divided urban	228									
Undivided Rural	8,791	2	once each location	2 hours each location	56.98	56.34	62.34	61.7	25.1	8.8
Undivided Urban	732									
State Total	11,310*	7			57.37	56.76	61.50			

\* Does not include Toll Road

\*\* State Roads only

TABLE 12. ALL VEHICLES





Monitoring of Speed  
(Statistical Summary)

State: Indiana		Calendar Quarter Ending: December 1975								
	Miles**	Number of Monitor Locations	Frequency of Monitoring During Quarter	Duration of Monitoring	Average Speed (MPH)	Median Speed (MPH)	85th Percentile Speed (MPH)	Percent of Motorists Exceeding		
								55 MPH	60 MPH	65 MPH
Interstate Rural	699*	2	once each location	2 hours each location	56.92	56.21	60.35	64.1	17.5	3.3
Interstate Urban	172*	1	once	2 hours	58.98	58.70	62.29	79.9	34.5	5.2
Other multi-lane divided rural	688	2	once each location	2 hours each location	58.32	57.84	62.26	73.1	31.3	6.0
Other multi-lane divided urban	228									
Undivided Rural	8,791	2	once each location	2 hours each location	57.42	56.62	62.48	63.8	26.5	8.8
Undivided Urban	732									
State Total	11,310*	7			57.77	57.05	61.75			

\* Does not include Toll Road

\*\* State Roads only

TABLE 13. PASSENGER CARS



Monitoring of Speed  
(Statistical Summary)

State: Indiana Calendar Quarter Ending: December 1975

	Miles**	Number of Monitor Locations	Frequency of Monitoring During Quarter	Duration of Monitoring	Average Speed (MPH)	Median Speed (MPH)	85th Percentile Speed (MPH)	Percent of Motorists Exceeding		
								55 MPH	60 MPH	65 MPH
Interstate Rural	699*	2	once each location	2 hours each location	56.29	55.89	59.26	60.1	12.2	2.1
Interstate Urban	172*	1	once	2 hours	58.35	58.47	61.63	80.5	28.0	2.5
Other multi-lane divided rural	688	2	once each location	2 hours each location	55.79	55.75	59.82	58.2	14.1	1.8
Other multi-lane divided urban	228									
Undivided Rural	8,791	2	once each location	2 hours each location	55.80	55.58	61.86	56.4	21.4	8.6
Undivided Urban	732									
State Total	11,310*	7			56.32	56.06	60.66			

\* Does not include Toll Road

\*\* State Roads only

TABLE 14. ALL TRUCKS





COVER DESIGN BY ALDO GIORGINI